

**APPENDIX J**

**Conceptual Site Model**

CONCEPTUAL SITE MODEL - MUNITIONS AND EXPLOSIVES OF CONCERN  
FORMER BROWN FIELD BOMBING RANGE  
SAN DIEGO COUNTY, CALIFORNIA

Subsite/Range	Acreage*	Suspect Past DoD Activities	Potential MEC/MD Presence	MEC/MD Found Since Closure	Previous Investigation/Clearance Actions	Post-DoD Land Use and Current Land Use	Potential Receptors	Potential Source and Receptor Interaction	Field Sampling/ Qualitative Reconnaissance
RANGE COMPLEX NO. 1	510	Air-to-Ground; Bombing, aerial rocket range	Bomb, 3.5-lb and 4-lb, Practice, AN-Mk 5, AN-Mk 23, and AN-Mk 43; Signal, Cartridge, AN-Mk4 Mods 0, 3, and 4; Bomb, 100-lb, Practice, Mk 15 Mod 3; Rocket, 2.25-inch SCAR, Practice, Mk 10 and Mk 11 <sup>(3,4)</sup> ; Bomb, 100-lb, Practice, M75 <sup>(3)</sup> ; Burster, M4; Fuze, Bomb, Nose, M108*; Signal, Bomb, Mk7; Fuze, Bomb, Mk247**	Practice bomb and rocket debris (3) Miniature practice bomb (4)  Fragments of practice bombs found during SI field effort.	No Certificates of Clearance found	Correctional facility, undeveloped land	Correctional facility employees, private land owners, prisoners, site visitors	Yes- Intrusive or non-intrusive activity, MD and possibly MEC at surface and subsurface, access available.	Soil samples SS-01, SS-02, and SS-04 through SS-10 as shown on Figure 5.1. SS-03 collected outside of the MRS to represent ambient conditions. QR as shown on Figure 4.1
TOTAL	510								
<p>* The ASR (USACE, 1997) states that the M1A1 spotting charge is used with the M75 practice bomb; however, through publication research the M108 fuze with the M4 burster were found as being used with this munition.</p> <p>** The ASR (USACE, 1997) states that the Mk6 signal is used with the Mk 15 practice bomb; however, through publication research the Mk247 fuze with the Mk7 signal were found as being used with this munition.</p>				<p>Source</p> <p>1 = Private account - unconfirmed</p> <p>2 = EOD response</p> <p>3 = ASR (September 1997)</p> <p>4 = ASR Supplement (2004)</p> <p>5 = Other government correspondence</p>		<p>AP = Armor piercing</p> <p>ASR = Archives Search Report</p> <p>DoD = Department of Defense</p> <p>EOD = Explosives Ordnance Disposal</p> <p>MD = Munitions Debris</p> <p>MEC = Munitions and explosives of concern</p> <p>QR = Qualitative Reconnaissance</p> <p>SI = Site Inspection</p>			

# CONCEPTUAL SITE EXPOSURE MODEL

**MRS Name:** BROWN FIELD BOMBING RANGE – Range Complex No. 1 MRS

**Completed By:** Liz Murrell - PARSONS

**Date Completed:** December 14, 2007

